

NASA and Aerospace

Furthering NASA Glenn's Mission

NASA Glenn Research Center in Cleveland and its Plum Brook Station in Sandusky are essential components of NASA. Sen. Brown has been fighting to ensure that the critical skills of NASA Glenn's workforce are utilized by NASA as the agency serves its mission to develop innovative aeronautical technology.

In advance of budget proceedings for Fiscal Year 2013, Sen. Brown led members of the Ohio Congressional delegation in a letter asking the President to fully invest in the NASA Glenn Research Center (GRC). The letter requested adequate funding for the Space Technology program, which includes funding to fully implement the Glenn-led Solar-Electric Propulsion Project, and asked the Administration to create an Advanced Energy Program Office at Glenn to coordinate all of the advanced energy work being done there and across the agency, and to drive technology commercialization between NASA and private industry.

Fully Utilizing NASA Glenn's Plum Brook Station in Sandusky

It is critical that NASA Glenn Research Center's Plum Brook facility in Sandusky is fully utilized, and NASA should do all it can to promote the facility and its world-class workforce. Sen. Brown has been a leader in Congressional efforts to save jobs at NASA Glenn and Plum Brook Station.

In January, Sen. Brown sent a letter to NASA Administrator Charles Bolden urging him to support a proposed partnership between the NASA Glenn Research Center and the European Space Agency that would help ensure that the Plum Brook facility in Sandusky is fully utilized. In March, at a Senate Appropriations subcommittee hearing, Sen. Brown questioned Bolden over NASA mission and resource decisions that affect both Lewis Field and the Plum Brook Station.

Sen. Brown toured Plum Brook's Space Power and B2 facilities and met with workers in April. He has consistently urged Bolden to make full use of the top-notch facilities, scientists, engineers, and technicians at Plum Brook Station and has urged full funding for NASA Glenn. Sen. Brown has also supported Plum Brook's applications for U.S. Transportation Department funds to construct a new runway.

Promoting NASA Glenn Partnerships with Ohio Businesses and Communities

Manufacturers are the backbone of Ohio's economy, and connecting them to NASA's technical expertise will help them grow and add jobs. In May, Sen. Brown applauded the news of federal, county, and city investments in nine Cuyahoga County small- and mid-sized manufacturers to do just that. The City of Cleveland, Cuyahoga County, NASA Glenn Research Center (GRC), and the Manufacturing Advocacy & Growth Network (MAGNET) announced that these manufacturers will receive assistance from NASA subject matter experts, low-interest-rate loans from the city and county and professional business development assistance from MAGNET to solve technical challenges they face with a new or existing product. The announcement is part of

a new initiative, sponsored by the White House's Office of Science and Technology Policy, to lend NASA's technical expertise to local businesses.

As the official home of the NASA Glenn Visitor Center, the Great Lakes Science Center (GLSC) plays a tremendous role in educating families, students, and tourists to the Cleveland area about the accomplishments of the NASA facility in our own backyard. In June, Sen. Brown announced that new federal funds were awarded to the GLSC to establish a gallery highlighting the work of NASA Glenn's accomplishments in aeronautics and aerospace. In January, Sen. Brown led members of the Ohio delegation on a bipartisan letter to NASA Administrator Charles Bolden requesting the funding for the GLSC. The funding, which totals \$900,000, is part of 18 projects selected by NASA to receive agency funding in 2012. Sen. Brown was a member of a committee that helped include the funding in the final version of the Fiscal Year 2012 Commerce, Justice, Science, and Related Agencies Appropriations bill. According to NASA, proposals were selected through a merit-based, peer-reviewed process from the 63 proposals received.

Honoring Ohio's Former U.S. Senator John Glenn

Ohio's Former U.S. Senator John Glenn became the first American to orbit the Earth on February 20, 1962. Born in Cambridge, Ohio and raised in New Concord, Ohio, Glenn is a veteran of World War II and served as Ohio's Senator for 24 years. In February, the Senate unanimously passed a resolution introduced by Sen. Brown recognizing the 50th anniversary of John Glenn's historic orbit around the Earth. In April, Sen. Brown applauded John Glenn for receiving the Presidential Medal of Freedom. The previous year, Sen. Brown spoke to President Obama and personally handed him a letter nominating Glenn for the award.

Many Ohioans are familiar with John Glenn's remarkable story: in his 90 years, he has been a Marine aviator, an astronaut, a United States Senator, and a noted educator. He reawakened in an entire generation a love for scientific discovery, and later on, represented Ohio with honor in the U.S. Senate. Through his remarkable achievements, John Glenn's life tells our nation's story in the 20th century—how our nation's spirit of discovery could be found in the humility of a hometown hero from Cambridge, Ohio.

Growing Ohio's Aerospace Industry



Supporting Ohio Aerospace Suppliers

Ohio is an aerospace leader because we know how to design and build exceptional machinery. Ohio's innovative scientists and engineers, manufacturing strength, and talented workforce have driven our aerospace success over the last century. According to the Ohio Aerospace Institute, more than 1,200 companies support more than 120,000 jobs in Ohio's aerospace industry. From Cincinnati to Dayton to Columbus to Cleveland, hundreds of Ohio suppliers provide parts and components to cutting edge aerospace machinery. Sen. Brown is

working to connect aerospace suppliers with more business. That's why he partnered with Airbus Americas to formalize a partnership between the company and Ohio suppliers, aimed at growing the state's aerospace industry.

In 2009 and 2010, Sen. Brown worked with the Ohio Edison Technology Centers and the Ohio Aerospace Institute to organize three procurement conferences – in Cleveland, Kettering, and Columbus – that connected more than 800 Ohio businesses and participants with opportunities to break into the Airbus supply chain. The summits were unique because they directly connected suppliers to potential contracting opportunities.

As a result of this partnership, Sen. Brown joined Airbus and the National Composite Center (NCC) in January in Kettering to announce the establishment of a new aerospace research and development consortium. Under a five-year agreement and with an initial \$1 million investment, Airbus is working through the NCC with a consortium of Ohio aerospace suppliers, incubators, and universities to develop next-generation products for use in Airbus' new fleet.

In October, Sen. Brown brought Airbus and the NCC together again to announce a new partnership to identify and develop aerospace suppliers across Ohio. These suppliers will have the opportunity to compete for contract work with Airbus, ultimately leading to the creation of a centralized Ohio Materials Manufacturing Technology Hub that will focus on state-of-the-art materials processing, business analytics, supply chain development, and workforce training and development. This agreement has the potential to increase investment even further so that dozens and dozens of Ohio aerospace companies can be involved. This investment will further strengthen the Ohio manufacturing and material supply chain for Airbus and increase business for Ohio aerospace suppliers.